

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|------------------------------|------------------|---------|---------------------|
| S1    | 1     | ("3763640").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/02<br>13:21 |
| S2    | 990   | ("428,371,377").PN. or<br>(57/204,207,210).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2008/10/02<br>13:24 |
| S3    | 91    | ("3132462"   "3137991"  <br>"3287892"   "3309863"  <br>"3410080"   "3438193"  <br>"3447296"   "3540204"  <br>"3568424"   "3577873"  <br>"3691750"   "3775960"  <br>"3991548"   "4000551"  <br>"4051660"   "4070817"  <br>"4107909"   "4145870"  <br>"4164117"   "4164836"  <br>"4244173"   "4302925"  <br>"4321789"   "4359856"  <br>"4495760"   "4610131"  <br>"5429868").PN. OR<br>("3041812"   "3082591"  <br>"3438186"   "3458988"  <br>"3763640"   "4307565"  <br>"4411129"   "5856005"  <br>"6425237"   "6905764").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/02<br>13:34 |
| S4    | 6     | S3 and (loop\$3 near3<br>(meter or millimeter or<br>millimeter or "mm" or inch<br>or "in"))  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/02<br>13:35 |
| S5    | 33581 | ("57"/\$.ccls. or<br>(428/371,377).ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/02<br>13:40 |
| S6    | 2121  | ((57/204,207,210) or<br>(428/371,377)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2008/10/02<br>13:40 |
| S7    | 164   | S6 and ((sheath near3<br>core) or (core near3 wrap<br>\$5) or (core near3 twist<br>\$3)) and (loop\$3)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/02<br>13:40 |
| S8    | 36    | S5 and ((sheath near3<br>core) or (core near3 wrap<br>\$5) or (core near3 twist<br>\$3)) and (loop\$3) and (z-<br>twist\$3 and s-twist\$3)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/10/02<br>13:43 |

|     |     |   |                              |    |     |                     |
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| S9  | 157 | S5 and ((sheath near3 core) or (core near3 wrap \$5) or (core near3 twist \$3)) and (loop\$3) and (false near3 twist\$3)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/02<br>13:48 |
| S10 | 133 | S5 and ((sheath near3 core) or (core near3 wrap \$5) or (core near3 twist \$3)) and (loop\$3) and (false near3 twist\$3) and (filament or monofilament or multifilament or monofilament or multi-filament)      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/02<br>14:00 |
| S11 | 1   | ((((sheath near3 core) or (core near3 wrap\$5) or (core near3 twist\$3)) and (loop\$3) and (false near3 twist\$3) and (filament or monofilament or multifilament or monofilament or multi-filament)).ab.        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/02<br>14:10 |
| S12 | 0   | ((((sheath near3 core) or (core near3 wrap\$5) or (core near3 twist\$3)) and (loop\$3) and (z-twist\$3) and (s-twist\$3) and (filament or monofilament or multifilament or monofilament or multi-filament)).ab. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/02<br>14:11 |
| S13 | 42  | ((((sheath near3 core) or (core near3 wrap\$5) or (core near3 twist\$3)) and (loop\$3) and (z-twist\$3) and (s-twist\$3) and (filament or monofilament or multifilament or monofilament or multi-filament))     | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/02<br>14:11 |
| S14 | 1   | ("20050202240").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/10/13<br>10:31 |

|     |     |  |                              |    |    |                     |
|-----|-----|--|------------------------------|----|----|---------------------|
| S15 | 166 | ("0060013"   "1994926"  <br>"2304281"   "2851715"  <br>"3041812"   "3091510"  <br>"3132462"   "3137991"  <br>"3287892"   "3303640"  <br>"3309863"   "3357171"  <br>"3401516"   "3410076"  <br>"3410077"   "3410080"  <br>"3411287"   "3438193"  <br>"3447296"   "3447302"  <br>"3453170"   "3484329"  <br>"3540204"   "3568424"  <br>"3577873"   "3640064"  <br>"3691750"   "3732679"  <br>"3763640"   "3775960"  <br>"3832841"   "3991548"  <br>"4000551"   "4051660"  <br>"4070817"   "4107909"  <br>"4145870"   "4148178"  <br>"4164117"   "4164836"  <br>"4218869"   "4244173"  <br>"4246747"   "4302925"  <br>"4307566"   "4321789"  <br>"4359856"   "4454196"  <br>"4467594"   "4475330"  <br>"4495760"   "4575472"  <br>"4610131"   "4661404"  <br>"4712366"   "4736578"  <br>"4789571"   "4955189"  <br>"4957784"   "5083419"  <br>"5183442"   "5201699"  <br>"5364701"   "5379501"  <br>"5429868"   "5589238"  <br>"5802836"   "6287688"  <br>"6316101"   "6423407"  <br>"6503623").PN. OR<br>("2002/0189228"  <br>"2005/0202240"  <br>"3041812"   "3082591"  <br>"3438186"   "3458988"  <br>"3763640"   "3952496"  <br>"4307565"   "4411129"  <br>"5856005"   "6244031"  <br>"6258420"   "6425237"  <br>"6705353"   "6905764").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/10/13<br>11:10 |
| S16 | 28  | S15 and (sheath with<br>core) and ((false near3<br>twist\$3) or (z-twist\$3 and<br>s-twist\$3) or (right-twist<br>\$3 and left-twist\$3) or<br>(under-twist\$3 and over-<br>twist\$3))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/10/13<br>11:12 |

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|-----|-----|--|------------------------------|----|-----|---------------------|
| S17 | 14  | S15 and (sheath with core) and ((false near3 twist\$3) or (z-twist\$3 and s-twist\$3) or (right-twist\$3 and left-twist\$3) or (under-twist\$3 and over-twist\$3)) and loop\$3   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/13<br>11:20 |
| S18 | 1   | ("6074751").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/10/13<br>11:23 |
| S19 | 9   | S17 and length and overfeed  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/13<br>11:30 |
| S20 | 20  | (US-20020189228-\$ or US-20050202240-\$).did. or (US-3763640-\$ or US-6905764-\$ or US-6425237-\$ or US-5856005-\$ or US-4411129-\$ or US-4307565-\$ or US-6258420-\$ or US-3952496-\$ or US-6244031-\$ or US-6705353-\$ or US-7395654-\$ or US-6074751-\$ or US-4296597-\$ or US-4164839-\$).did. or (US-3458988-\$ or US-3438186-\$ or US-3082591-\$ or US-3041812-\$).did.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/13<br>11:38 |
| S21 | 200 | ("0060013"   "1994926"   "2304281"   "2851715"   "3041812"   "3091510"   "3110151"   "3132462"   "3137991"   "3225533"   "3287892"   "3303640"   "3309863"   "3357171"   "3365872"   "3401516"   "3410076"   "3410077"   "3410080"   "3411287"   "3438193"   "3447296"   "3447302"   "3453170"   "3484329"   "3540204"   "3568424"   "3577873"   "3640064"   "3685268"   "3691750"   "3732679"   "3763640"   "3775960"   "3807162"   "3832841"   "3844103"   "3921382" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/13<br>11:38 |

|     |    |  |                        |    |    |                  |
|-----|----|--|------------------------|----|----|------------------|
|     |    | "3971202"   "3973386"  <br>"3991548"   "3999361"  <br>"4000551"   "4010601"  <br>"4051660"   "4070817"  <br>"4107909"   "4145870"  <br>"4148178"   "4152885"  <br>"4164117"   "4164836"  <br>"4164839"   "4218869"  <br>"4244173"   "4246747"  <br>"4265082"   "4302925"  <br>"4307566"   "4321789"  <br>"4359856"   "4411129"  <br>"4454196"   "4467594"  <br>"4475330"   "4495760"  <br>"4505100"   "4575472"  <br>"4610131"   "4661404"  <br>"4712366"   "4736578"  <br>"4789571"   "4955189"  <br>"4957784"   "4965919"  <br>"5083419"   "5183442"  <br>"5201699"   "5364701"  <br>"5379501"   "5429868"  <br>"5497608"   "5589238"  <br>"5749212"   "5802836"  <br>"6287688"   "6316101"  <br>"6423407"   "6503623").<br>PN. OR ("2002/0189228"<br>  "2005/0202240"  <br>"3041812"   "3082591"  <br>"3438186"   "3458988"  <br>"3763640"   "3952496"  <br>"4164839"   "4296597"  <br>"4307565"   "4411129"  <br>"5856005"   "6074751"  <br>"6244031"   "6258420"  <br>"6425237"   "6705353"  <br>"6905764"   "7395654").<br>URPN. |                        |    |    |                  |
| S22 | 14 | S17 and (sheath with core) and ((false near3 twist\$3) or (z-twist\$3 and s-twist\$3) or (right-twist\$3 and left-twist\$3) or (under-twist\$3 and over-twist\$3)) and loop\$3   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/13 11:38 |
| S23 | 19 | S21 and (sheath with core) and ((false near3 twist\$3) or (z-twist\$3 and s-twist\$3) or (right-twist\$3 and left-twist\$3) or (under-twist\$3 and over-twist\$3)) and loop\$3 and length  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/13 11:39 |

|     |     |  |                              |    |    |                     |
|-----|-----|--|------------------------------|----|----|---------------------|
| S24 | 10  | S21 and (sheath with core) and ((false near3 twist\$3) or (z-twist\$3 and s-twist\$3) or (right-twist\$3 and left-twist\$3) or (under-twist\$3 and over-twist\$3)) and loop\$3 and length and strength   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/10/13<br>11:39 |
| S25 | 28  | ("3091510"   "3763640"   "4164836"   "4218869"   "4246747"   "4307566"   "4454196"   "4467594"   "4475330"   "4610131"   "4661404"   "4712366"   "4736578"   "4955189"   "5083419"   "5364701"   "5379501"   "5802836").<br>PN. OR ("6244031").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/10/13<br>11:43 |
| S26 | 463 | ("20020088501"   "20020144497"   "20030101707"   "20030101709"   "20030102707"   "20030115849"   "2313058"   "2321746"   "2343892"   "2400276"   "2604689"   "2713360"   "2781555"   "2855749"   "2864230"   "2942325"   "2997838"   "3001358"   "3007298"   "3043088"   "3083522"   "3093878"   "3101522"   "3104516"   "3110151"   "3111805"   "3114999"   "3115744"   "3132462"   "3137991"   "3153315"   "3174271"   "3199281"   "3200576"   "3287892"   "3296785"   "3309855"   "3309863"   "3325876"   "3332125"   "3353346"   "3379809"   "3410076"   "3410077"   "3433008"   "3438194"   "3439490"   "3447296"   "3447302"   "3457715"   "3460336"   "3473315"   "3474613"   "3477220"   "3488934"   "3517498"   "3534540"   "3540204"   "3558767"   "3559390"   "3568424"   "3568428" | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/10/13<br>11:48 |

|            |           |
|------------|-----------|
| "3577873"  | "3596459" |
| "3609835"  | "3640064" |
| "3645080"  | "3655839" |
| "3665696"  | "3685268" |
| "3691748"  | "3691750" |
| "3705225"  | "3724199" |
| "3749055"  | "3762147" |
| "3763640"  | "3763643" |
| "3771307"  | "3772872" |
| "3792899"  | "3812665" |
| "3824776"  | "3831360" |
| "3839854"  | "3846969" |
| "3852948"  | "3867967" |
| "3914488"  | "3918244" |
| "3927167"  | "3940917" |
| "3945189"  | "3946100" |
| "3946548"  | "3948033" |
| "3948702"  | "3955952" |
| "3958406"  | "3967441" |
| "3973386"  | "3994121" |
| "3998042"  | "4000238" |
| "4000551"  | "4010601" |
| "4016329"  | "4019311" |
| "4025595"  | "4051660" |
| "4058968"  | "4062177" |
| "4068460"  | "4080777" |
| "4080778"  | "4081887" |
| "4081948"  | "4110964" |
| "4115989"  | "4123893" |
| "4134882"  | "4145869" |
| "4147020") | .PN. OR   |
| ("4155394" | "4156071" |
| "4157419"  | "4159617" |
| "4159619"  | "4164117" |
| "4166357"  | "4168606" |
| "4169349"  | "4170865" |
| "4195051"  | "4212152" |
| "4218869"  | "4219997" |
| "4222223"  | "4231834" |
| "4244173"  | "4246747" |
| "4248036"  | "4263777" |
| "4280261"  | "4289564" |
| "4292799"  | "4295235" |
| "4296597"  | "4304092" |
| "4305245"  | "4307565" |
| "4307566"  | "4311000" |
| "4319447"  | "4330988" |
| "4341063"  | "4341068" |
| "4343071"  | "4345424" |
| "4351148"  | "4365466" |
| "4395029"  | "4407767" |
| "4437301"  | "4466237" |
| "4467839"  | "4469738" |
| "4472481"  | "4487011" |

|                   |           |
|-------------------|-----------|
| "4489543"         | "4497099" |
| "4523426"         | "4542063" |
| "4544594"         | "4545614" |
| "4567720"         | "4574578" |
| "4583357"         | "4586751" |
| "4592119"         | "4610131" |
| "4615167"         | "4626390" |
| "4634625"         | "4669158" |
| "4669159"         | "4696830" |
| "4721650"         | "4744935" |
| "4897989"         | "4934134" |
| "5013089"         | "5084221" |
| "5145623"         | "5200261" |
| "5236775"         | "5244616" |
| "5261472"         | "5284380" |
| "5307616"         | "5379501" |
| "5459991"         | "5466514" |
| "5507997"         | "5625976" |
| "5700490"         | "5704690" |
| "5794427"         | "5803540" |
| "5807794"         | "5829241" |
| "5845970"         | "5858885" |
| "5925727"         | "6007911" |
| "6035901"         | "6074751" |
| "6117548"         | "6120097" |
| "6165584"         | "6179382" |
| "6244031"         | "6264674" |
| "6523578"         | "6537640" |
| "6601378"         | "6625970" |
| "6631609"         | "6705070" |
| "6725640"         | "6848248" |
| "D395171"         | "D409001" |
| "Re33059").PN. OR |           |
| ("3091510"        | "3763640" |
| "4164836"         | "4218869" |
| "4246747"         | "4307566" |
| "4454196"         | "4467594" |
| "4475330"         | "4610131" |
| "4661404"         | "4712366" |
| "4736578"         | "4955189" |
| "5083419"         | "5364701" |
| "5379501"         | "5802836" |
| "6625970"         | "6705070" |
| "6725640"         | "6848248" |
| "6911105"         | "6935383" |
| "7076939"         | "7089725" |
| "7175235").URPN.  |           |



|     |    |  |                              |    |     |                     |
|-----|----|--|------------------------------|----|-----|---------------------|
| S27 | 11 | S26 and (sheath with core) and ((false near3 twist\$3) or (z-twist\$3 and s-twist\$3) or (right-twist\$3 and left-twist\$3) or (under-twist\$3 and over-twist\$3)) and loop\$3 and length and strength | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/13<br>11:49 |
| S28 | 1  | ("6074751").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/10/13<br>12:18 |
| S29 | 24 | (asahi).asn. and (sheath with core) and ((false near3 twist\$3) or (z-twist\$3 and s-twist\$3) or (right-twist\$3 and left-twist\$3) or (under-twist\$3 and over-twist\$3)) and loop\$3                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/10/13<br>12:29 |

10/14/2008 11:33:50 AM

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